## **CLAIM AMENDMENTS**

1	1.	(Currently Amended) A method for managing a communications arrangement
2		comprising a plurality of participants, the method comprising the
3		computer-implemented steps of:
4		assigning, to a first participant from the plurality of participants, one or more
5		functions to be performed by the first participant;
6		prior to a failure of the first participant that prevents the first participant from
7		performing any of the one or more functions to be performed by the first
8		participant,
9		designating a second participant from the plurality of participants to
10		perform the one or more functions if any of one or more handoff
11		criteria are satisfied;
12		the first participant communicating with the second participant to indicate
13		that the second participant has been designated to perform the one
14		or more functions if any of the one or more handoff criteria are
15		satisfied;
16		in response to any of the one or more handoff criteria being satisfied, assigning
17		the one or more functions to the second participant; and
18		selecting, based upon performance of a plurality of communications channels and
19		at least one performance criterion, a first communications channel from
20		the a plurality of communications channels.
1	2.	(Currently Amended) The method of Claim 1, further comprising the computer-
2		implemented steps of:
3		generating channel identification data that identifies the first communications
4		channel; <del>and</del>
5		providing the channel identification data over the first communications channel to
6		one or more participants from the plurality of participants; and

7		receiving at least a first communication from the one or more participants over a
8		second communications channel from the plurality of communications
9		channels, wherein the second communications channel is determined
10		based on the channel identification data.
1	3.	(Cancelled)
1	4.	(Currently Amended) A method for managing, based on performance, a
2		communications arrangement comprising a plurality of participants, the method
3		comprising the computer-implemented steps of:
4		selecting, based upon performance of a plurality of communications channels, a
5		first communications channel from the plurality of communications
6		channels;
7		generating channel identification data that identifies the first communications
8		channel;
9		providing the channel identification data to one or more participants from the
10		plurality of participants;
11	•	receiving at least a first communication from the one or more participants over a
12		second the first communications channel from the plurality of
13		communications channels, wherein the second first communications
14		channel is determined based on the channel identification data;
15		assigning, to a first participant from the plurality of participants, one or more
16		functions to be performed by the first participant;
17		prior to a failure of the first participant, designating a second participant from the
18		plurality of participants to perform the one or more functions if any of one
19		or more handoff criteria are satisfied; and
20		wherein the plurality of communications channels correspond to a set of
21		frequencies and the first communication received from the one or more
22		participants is based on a hopping sequence among at least two
23		communications channels of the plurality of communications channels,
24		according to a frequency hopping protocol.

25	5.	(Currently Amended) A method for assigning functions between participants and
26		selecting communications channels in a communications arrangement comprising
27		a plurality of participants, the method comprising the computer-implemented
28		steps of:
29		assigning, to a first participant from the plurality of participants, one or more
30		functions to be performed by the first participant;
31		prior to a failure of the first participant that prevents the first participant from
32		performing any of the one or more functions to be performed by the first
33		participant,
34		designating a second participant from the plurality of participants to
35		perform the one or more functions if any of one or more criteria are
36		satisfied;
37		the first participant communicating with the second participant to indicate
38		that the second participant has been designated to perform the one
39		or more functions if any of the one or more handoff criteria are
40		satisfied;
41		in response to any of the one or more criteria being satisfied, assigning the one or
42		more functions to the second participant;
43		selecting, based upon performance of a plurality of communications channels and
44		at least one specified criterion, a first communications channel from the
45		plurality of communications channels;
46		generating channel identification data that identifies the first communications
47		channel;
48		providing the channel identification data to one or more participants from the
49		plurality of participants; and
50		receiving at least a first communication from the one or more participants over a
51		second communications channel from the plurality of communications
52		channels, wherein the second communications channel is determined
53		based on the channel identification data that identifies the first
54		communications channel; and

55		wherein the plurality of communications channels correspond to a set of
56		frequencies and the first communication received from the one or more
57		participants is based on a hopping sequence among at least two
58		communications channels of the plurality of communications channels,
59		according to a frequency hopping protocol.
1	6.	(Currently Amended) The method as recited in of Claim 5, wherein:
2		communications between the plurality of participants are made on different
3		frequencies over time using a frequency hopping sequence according to a
4		frequency hopping protocol;
5		the communications arrangement includes a wireless communications
6		arrangement; and
7		the plurality of participants includes a plurality of mobile devices.
1	7.	(Cancelled)
1	8.	(Currently Amended) The method of Claim 5, wherein the channel identification
2		data is first channel identification data, and wherein the method further comprises
3		the computer-implemented steps of:
4		selecting, based upon the performance of the plurality of communications
5		channels and the at least one specified criterion, a third communications
6		channel from the plurality of communications channels;
7		generating second channel identification data that identifies the third
8		communications channel;
9		providing the second channel identification data over a particular communications
10		channel of the plurality of communications channels to one or more
11		additional participants from the plurality of participants, wherein the
12		particular communications channel is not the third communications
13		channel; and

14		receiving at least a second communication from the one or more additional
15		participants over a fourth communications channel from the plurality of
16		communications channels, wherein the fourth communications channel is
17		determined based on the second channel identification data that identifies
18		the third communications channel.
1	9.	(Currently Amended) The method of Claim 5, wherein the computer-
2		implemented step of providing the channel identification data to the one or more
3		participants further comprises the computer-implemented steps of:
4		providing the channel identification data to the one or more participants over a
5		third communications channel of the plurality of communications
6		channels, wherein the third communications channel is not the first
7		communications channel;
8		determining the performance of the plurality of communications channels used by
9		the plurality of participants; and
10		wherein at least the first communication from the one or more participants
11		includes data that indicates the performance of the third communications
12		<u>channel</u> .
1	10.	(Currently Amended) The method of Claim 9, wherein: at least the first
2		communication from the one or more participants includes data that indicates the
3		performance of the third communications channel
4		the performance of the plurality of communications channels is determined based
5		on a channel performance testing technique selected from the group
6		consisting of a received signal strength indicator, a header error check, a
7		cyclic redundancy check, and forward error correction;
8		the first communications device is a master participant;
9		the second communications device is an associate master participant; and
10		the one or more communications devices are slave participants.

1	11.	(Currently Amended) The method of Claim 5, wherein the computer-implemented
2		step of selecting the first communications channel from the plurality of
3		communications channels <u>further</u> comprises the computer-implemented steps of:
4		classifying one or more communications channels of the plurality of
5		communications channels based upon whether the performance of the one
6		or more communications channels satisfies at least one performance
7		criterion; <del>and</del>
8		selecting the first communications channel from the one or more communications
9		channels that are classified as satisfying the at least one performance
10		criterion; and
11		the method further comprises the computer-implemented steps of:
12		determining a number of communications channels of the plurality of
13		communications channels that satisfy the at least one performance
14		criterion; and
15		if the number of communications channels that satisfy the at least one
16		performance criterion is less than a specified number, reclassifying one or
17		more communications channels of the plurality of communications
18		<u>channels</u> .
1	12.	(Cancelled)
1	13.	(Currently Amended) The method of Claim 5, further comprising the
2		computer-implemented steps of:
3		determining the performance of the plurality of communications channels by
4		performing the computer-implemented steps of:
5		sending a request for performance data to at least one participant of the
6		plurality of participants;
7		in response to the request, receiving performance data from the at least one
8		participant; and

9		creating and maintaining performance data that indicates the performance
10		of one or more communications channels of the plurality of
11		communications channels for communications with one or more
12		participants from the plurality of participants.
1	14.	(Cancelled)
1	15.	(Cancelled)
1	16.	(Cancelled)
1	17.	(Currently Amended) The method as recited in of Claim 5, wherein:
2		the one or more criteria include the failure of the first participant;
3		the first participant is a master participant that performs the steps of selecting,
4		generating, providing, and receiving,
5		the second participant is a slave participant prior to being assigned to perform the
6		one or more functions,
7		the second participant is an associate master participant after being designated to
8		perform the one or more functions if any of the one or more criteria are
9		satisfied, and
0		the one or more participants include one or more slave participants.
1	18.	(Cancelled)
1	19.	(Currently Amended) The method of Claim 5, wherein:
2		the one or more participants includes the second participant; and
3		the second participant is designated by at least one other participant that is
4		selected from the group comprising (a) the first participant, (b) the first
5		participant and at least one other participant from the plurality of
6		participants, and (c) one or more participants from the plurality of
7		participants but not including the first participant.

1	20.	(Cancelled)
1	21.	(Cancelled)
1	22.	(Currently Amended) A method for managing a communications system
2		comprising a plurality of participants, comprising the computer-implemented
3		steps of:
4		determining the performance of a first communications channel of a plurality of
5		communications channels between a first participant from the plurality of
6		participants and one or more other participants from the plurality of
7		participants; <del>and</del>
8		selecting, based upon the performance of the first communications channel
9		between the first participant and the one or more other participants, a
10		second participant from the one or more other participants;
11		sending at least a first communication from the second participant over the first
12		communications channel;
13		assigning, to a third participant from the plurality of participants, one or more
14		functions to be performed by the third participant; and
15		designating a fourth participant from the plurality of participants to perform the one or
16		more functions if any of one or more handoff criteria are satisfied; and
17		wherein the plurality of communications channels correspond to a set of
18		frequencies and the first communication received from the first participant
19		is based on a hopping sequence among at least two communications
20		channels of the plurality of communications channels, according to a
21		frequency hopping protocol.
1	23.	(Currently Amended) The method of Claim 22, further comprising the computer-
2		implemented step of:
3		in response to any of the one or more handoff criteria being satisfied, assigning
4		the one or more functions to the fourth participant;

5		wherein the one or more participants includes the fourth participant; and
6		wherein the first participant is the same participant as the third participant.
1	24.	(Currently Amended) The method of Claim 22, wherein the computer-
2		implemented step of designating the fourth participant is performed prior to a
3		condition of the third participant that prevents the third participant from
4		performing the one or more functions.
1	25.	(Currently Amended) The method of Claim 22, wherein the computer-
2		implemented step of designating the fourth participant is performed prior to a
3		failure of the third participant.
1	26.	(Cancelled)
1	27.	(Cancelled)
1	28.	(Currently Amended) A first communications device comprising:
2		an interface that is configured to receive data from a plurality of communications
3		devices and to transmit data to the plurality of communications devices;
4		and
5		a mechanism that is communicatively coupled to the interface and configured to:
6		perform one or more functions;
7		prior to a failure of the communications device that prevents the
8		communications device from performing any of the one or more
9		functions,
10		designate a second communications device from the plurality of
11		communications devices to perform the one or more
12		functions if any of a set of criteria are satisfied;
13		communicate with the second communications device to indicate
14		that the second communications device has been designated
15		to perform the one or more functions if any of the one or
16		more handoff criteria are satisfied;

17		select, based upon performance of a plurality of communications channels,
18		a first communications channel from the plurality of
19		communications channels;
20		generate first channel identification data that identifies the first
21		communications channel;
22		provide the first channel identification data to one or more
23		communications devices from the plurality of communications
24		devices; and
25		receive at least a first communication from the one or more communications
26		devices over a second communications channel from the plurality of
27		communications channels, wherein the second communications
28		channel is determined based on the first channel identification data that
29		identifies the first communications channel; and
30		wherein the plurality of communications channels correspond to a set of
31		frequencies and the first communication received from the one or more
32		communications devices is based on a hopping sequence among at least
33		two communications channels of the plurality of communications
34		channels, according to a frequency hopping protocol.
1	29.	(Currently Amended) The first communications device as recited in of Claim 28,
2		wherein:
3		communications between the plurality of communications devices are made using a
4		frequency hopping sequence according to a frequency hopping protocol; and
5		the first communications device, the second communications device, and the one or
6		more communications devices are wireless communications devices; and
7		the plurality of communications devices includes a plurality of wireless mobile
8		communications devices.
1	30.	(Cancelled)
1	31.	(Cancelled)

1	32.	(Currently Amended) The first communications device of Claim 28, wherein the
2		mechanism is further configured to:
3		select, based upon the performance of the plurality of communications channels
4		and at least one performance criterion, a third communications channel
5		from the plurality of communications channels;
6		generate second channel identification data that identifies the third communications
7		channel;
8		provide the second channel identification data over a particular communications
9		channel of the plurality of communications channels to one or more additional
10		communications devices from the plurality of communications devices,
11		wherein the particular communications channel is not the third
12		communications channel; and
13		receive at least a second communication from the one or more additional
14		communications devices over a fourth communications channel from the
15		plurality of communications channels, wherein the fourth communications
16		channel is determined based on the second channel identification data that
17		identifies the third communications channel.
1	33.	(Currently Amended) The first communications device of Claim 28, wherein the
2		mechanism is further configured to:
3		provide the channel identification data to the one or more communications
4		devices over a specified communications channel of the plurality of
5		communications channels, wherein the specified communications channel
6		is not the first communications channel;
7		determine the performance of the plurality of communications channels used by
8		the plurality of communications devices; and
9		wherein at least the first communication from the one or more communications
10		devices includes performance data that indicates the performance of the
11		specified communications channel

1	34.	(Cancelled)
1	35.	(Cancelled)
1	36.	(Currently Amended) The first communications device of Claim 35 33, wherein:
2		the performance of the plurality of communications channels is determined based
3		on a channel performance testing technique selected from the group
4		consisting of a received signal strength indicator, a header error check, a
5		cyclic redundancy check, and forward error correction;
6		the first communications device is a master participant;
7		the second communications device is an associate master participant; and
8		the one or more communications devices are slave participants.
1	37.	(Currently Amended) The first communications device of Claim 28, wherein the
2		mechanism is further configured to:
3		classify one or more communications channels of the plurality of communications
4		channels based upon whether the performance of the one or more
5		communications channels satisfies at least one performance criterion; and
6		select the first communications channel from the one or more communications
7		channels that are classified as satisfying the at least one performance
8		criterion;
9		determine a number of communications channels of the plurality of
10		communications channels that satisfy the at least one performance
11		criterion; and
12		if the number of communications channels that satisfy the at least one
13		performance criterion is less than a specified number, reclassify one or
14		more communications channels of the plurality of communications
15		<u>channels</u> .

1	38.	(Currently Amended) A computer-readable storage medium carrying one or more		
2		sequences of instructions for managing a communications arrangement		
3		comprising a plurality of participants, wherein execution of the one or more		
4		sequences of instructions by one or more processors causes the one or more		
5		processors to perform the steps of:		
6		assigning, to a first participant from the plurality of participants, one or more		
7		functions to be performed by the first participant;		
8		prior to a failure of the first participant that prevents the first participant from		
9		performing any of the one or more functions to be performed by the first		
10		participant,		
11		designating a second participant from the plurality of participants to		
12		perform the one or more functions if any of one or more handoff		
13		criteria are satisfied;		
14		the first participant communicating with the second participant to indicate		
15		that the second participant has been designated to perform the one		
16		or more functions if any of the one or more handoff criteria are		
17		satisfied;		
18		in response to any of the one or more handoff criteria being satisfied, assigning		
19		the one or more functions to the second participant; and		
20		selecting, based upon performance of a plurality of communications channels and		
21		at least one performance criterion, a first communications channel from		
22		the <u>a plurality</u> of communications channels.		
1	39.	(Currently Amended) The computer-readable storage medium of Claim 38,		
2		further comprising instructions which, when executed by the one or more		
3		processors, cause the one or more processors to carry out the steps of:		
4		generating channel identification data that identifies the first communications		
5		channel; <del>and</del>		
6		providing the channel identification data over the first communications channel to		
7		one or more participants from the plurality of participants; and		

8		receiving at least a first communication from the one or more participants over a		
9		second communications channel from the plurality of communications		
10		channels, wherein the second communications channel is determined		
11		based on the channel identification data.		
1	40.	(Cancelled)		
1	41.	(Currently Amended) A computer-readable storage medium carrying one or more		
2		sequences of instructions for managing, based on performance, a communications		
3		arrangement comprising a plurality of participants, wherein execution of the one		
4		or more sequences of instructions by one or more processors causes the one or		
5		more processors to perform the steps of:		
6		selecting, based upon performance of a plurality of communications channels, a		
7		first communications channel from the plurality of communications		
8		channels;		
9		generating channel identification data that identifies the first communications		
10		channel;		
11		providing the channel identification data to a one or more participants from the		
12		plurality of participants;		
13		receiving at least a first communication from the one or more participants over a		
14		second the first communications channel from the plurality of		
15		communications channels, wherein the second first communications		
16		channel is determined based on the channel identification data;		
17		assigning, to a first participant from the plurality of participants, one or more		
18		functions to be performed by the first participant;		
19		prior to a failure of the first participant, designating a second participant from the		
20		plurality of participants to perform the one or more functions if any of one		
21		or more handoff criteria are satisfied; and		

22		wherein the plurality of communications channels correspond to a set of		
23		frequencies and the first communication received from the one or more		
24		participants is based on a hopping sequence among at least two		
25	communications channels of the plurality of communications channels,			
26		according to a frequency hopping protocol		
1	42.	(Currently Amended) A computer-readable storage medium carrying one or more		
2		sequences of instructions for assigning functions between participants and		
3		selecting communications channels in a communications arrangement comprising		
4		a plurality of participants, wherein execution of the one or more sequences of		
5		instructions by one or more processors causes the one or more processors to		
6		perform the steps of:		
7		assigning, to a first participant from the plurality of participants, one or more		
8		functions to be performed by the first participant;		
9		prior to a failure of the first participant that prevents the first participant from		
10		performing any of the one or more functions to be performed by the first		
11		participant,		
12		designating a second participant from the plurality of participants to		
13		perform the one or more functions if any of one or more criteria are		
14		satisfied;		
15		the first participant communicating with the second participant to indicate		
16		that the second participant has been designated to perform the one		
17		or more functions if any of the one or more handoff criteria are		
18		satisfied;		
19		in response to any of the one or more criteria being satisfied, assigning the one or		
20		more functions to the second participant;		
21		selecting, based upon performance of a plurality of communications channels and		
22		at least one specified criterion, a first communications channel from the		
23		plurality of communications channels;		
24		generating channel identification data that identifies the first communications		
25		channel:		

26		providing the channel identification data to a third participant from the plurality of	
27		participants; and	
28		receiving a first communication from the third participant over a second	
29		communications channel from the plurality of communications channels,	
30		wherein the second communications channel is determined based on the	
31		channel identification data that identifies the first communications	
32		channel; and	
33		wherein the plurality of communications channels correspond to a set of	
34		frequencies and the first communication received from the one or more	
35		participants is based on a hopping sequence among at least two	
36		communications channels of the plurality of communications channels,	
37		according to a frequency hopping protocol.	
1	43.	(Currently Amended) A computer-readable storage medium carrying one or more	
2		sequences of instructions for managing a communications system comprising a	
3		plurality of participants, wherein execution of the one or more sequences of	
4		instructions by one or more processors causes the one or more processors to	
5		perform the steps of:	
6		determining the performance of a first communications channel of a plurality of	
7		communications channels between a first participant from the plurality of	
8		participants and one or more other participants from the plurality of	
9		participants; and	
10		selecting, based upon the performance of the first communications channel	
l 1		between the first participant and the one or more other participants, a	
12		second participant from the one or more other participants;	
13		sending at least a first communication from the second participant over the first	
14		communications channel;	
15		assigning, to a third participant from the plurality of participants, one or more	
16		functions to be performed by the third participant; and	
17		designating a fourth participant from the plurality of participants to perform the one or	
8		more functions if any of one or more handoff criteria are satisfied; and	

19		wherein the plurality of communications channels correspond to a set of	
20		frequencies and the first communication received from the first participant	
21	is based on a hopping sequence among at least two communications		
22	channels of the plurality of communications channels, according to a		
23		frequency hopping protocol.	
1	44.	(New) A first communications device comprising:	
2		an interface that is configured to receive data from a plurality of communications	
3		devices and to transmit data to the plurality of communications devices; and	
4		a mechanism that is communicatively coupled to the interface and configured to:	
5		perform one or more functions;	
6		prior to a failure of the first communications device that prevents the first	
7		communications device from performing any of the one or more	
8		functions,	
9		designating a second communications device from the plurality of	
10		communications devices to perform the one or more	
11		functions if any of one or more handoff criteria are	
12		satisfied;	
13		communicate with the second communications device to indicate	
14		that the second communications device has been designated	
15		to perform the one or more functions if any of the one or	
16		more handoff criteria are satisfied;	
17		in response to any of the one or more handoff criteria being satisfied,	
18		assign the one or more functions to the second communications	
19		device; and	
20		select, based upon performance of a plurality of communications channels	
21		and at least one performance criterion, a first communications	
22		channel from a plurality of communications channels.	

1	45.	(New) The first communications device of Claim 44, wherein the mechanism is			
2		further configured to:			
3		generate channel identification data that identifies the first communications			
4		channel;			
5		providing the channel identification data over the first communications channel to			
6		one or more communications devices from the plurality of			
7		communications devices; and			
8		receive at least a first communication from the one or more communications			
9		devices over a second communications channel from the plurality of			
10		communications channels, wherein the second communications channel is			
11		determined based on the channel identification data.			
1	46.	(New) A first communications device comprising:			
2		an interface that is configured to receive data from a plurality of communications			
3		devices and to transmit data to the plurality of communications devices; and			
4		a mechanism that is communicatively coupled to the interface and configured to:			
5		select, based upon performance of a plurality of communications channels,			
6		a first communications channel from the plurality of			
7		communications channels;			
8		generate channel identification data that identifies the first			
9		communications channel;			
10		provide the channel identification data to one or more communications			
11		devices from the plurality of communications devices;			
12		receive at least a first communication from the one or more participants			
13		over the first communications channel from the plurality of			
14		communications channels, wherein the first communications			
15		channel is determined based on the channel identification data;			
16		assign, to a second communications device from the plurality of			
17		communications devices, one or more functions to be performed by			
18		the first communications device;			

19		prior to a failure of the first communications device, designate a second	
20		communications device from the plurality of communications	
21		devices to perform the one or more functions if any of one or more	
22		handoff criteria are satisfied; and	
23		wherein the plurality of communications channels correspond to a set of	
24		frequencies and the first communication received from the one or	
25		more participants is based on a hopping sequence among at least	
26		two communications channels of the plurality of communications	
27		channels, according to a frequency hopping protocol.	
1	47.	(New) The first communications device of Claim 46, wherein:	
2		the one or more communications devices includes the second communications	
3		device; and	
4		the second communications device is designated by at least one other communications	
5		device that is selected from the group comprising (a) the first communications	
6		device, (b) the first communications device and at least one other	
7		communications device from the plurality of communications devices, and (c)	
8	one or more communications devices from the plurality of communications		
9		devices but not including the first communications device.	
1	48.	(New) A first communications device comprising:	
2		an interface that is configured to receive data from a plurality of communications	
3		devices and to transmit data to the plurality of communications devices; and	
4		a mechanism that is communicatively coupled to the interface and configured to:	
5		determine the performance of a first communications channel of a plurality	
6		of communications channels between the first communications	
7		device and one or more other communications devices from the	
8		plurality of communications devices;	

9		select, based upon the performance of the first communications channel		
10		between the first communications device and the one or more other		
11		communications devices, a second communications device from		
12		the one or more other communications devices;		
13		send at least a first communication from the second communications		
14		device over the first communications channel;		
15		assign, to a third communications device from the plurality of		
16		communications devices, one or more functions to be performed by		
17		the third communications device;		
18		designating a fourth communications device from the plurality of		
19		communications devices to perform the one or more functions if		
20		any of one or more handoff criteria are satisfied; and		
21		wherein the plurality of communications channels correspond to a set of		
22		frequencies and the first communication received from the first		
23		participant is based on a hopping sequence among at least two		
24		communications channels of the plurality of communications		
25		channels, according to a frequency hopping protocol.		
1	49.	(New) The communications device of Claim 48, wherein the mechanism is		
2		further configured to:		
3		in response to any of the one or more handoff criteria being satisfied, assigning		
4	the one or more functions to the fourth participant;			
5		wherein the one or more participants includes the fourth participant; and		
6		wherein the first participant is the same participant as the third participant.		
1	50.	(New) The communications device of Claim 48, wherein the mechanism		
2		designates the fourth participant prior to a condition of the third communications		
3	device that prevents the third communications device from performing the one or			
4		more functions.		

1	51.	(New) The communications device of Claim 48, wherein the mechanism		
2		designates the fourth communications device prior to a failure of the third		
3		communications device.		
4	52.	(New) The method of Claim 4, wherein the frequency hopping protocol is		
5		selected from the group consisting of (a) a frequency hopping protocol defined by		
6		Institute of Electrical and Electronics Engineers 802.15.1 Wireless Personal Area		
7		Network Standard, and (b) a frequency hopping protocol that conforms to a		
8		Bluetooth communications standard for transmissions over a 2.4 GHz band.		
1	53.	(New) The first communications device of Claim 28, wherein the mechanism is		
2		further configured to:		
3		determine the performance of the plurality of communications channels by		
4		performing the computer-implemented steps of:		
5		sending a request for performance data to at least one participant from the		
6		plurality of participants;		
7		in response to the request, receiving performance data from the at least one		
8		participant; and		
9		creating and maintaining performance data that indicates the performance		
10		of one or more communications channels of the plurality of		
l 1		communications channels for communications with one or more		
12		participants from the plurality of participants.		
1	54.	(New) The first communications device of Claim 28, wherein:		
2		the one or more criteria include the failure of the first communications device;		
3		the first communications device is a master communications device,		
4		the second communications device is a slave communications device prior to		
5		being assigned to perform the one or more functions,		
6		the second communications device is an associate master communications device		
7		after being designated to perform the one or more functions if any of the		
8		one or more criteria are satisfied, and		
9		the one or more participants include one or more slave communications devices		

1	55.	(New) The computer-readable storage medium of Claim 42, wherein:
2		communications between the plurality of participants are made using a frequency
3		hopping sequence according to a frequency hopping protocol;
4		the communications arrangement includes a wireless communications
5		arrangement; and
6		the plurality of participants includes a plurality of mobile devices.
1	56.	(New) The computer-readable storage medium of Claim 42, wherein the channel
2		identification data is first channel identification data, and wherein the computer-
3		readable storage medium further comprises one or more sequences of instructions
4		which, when executed by the one or more processors, causes the one or more
5		processors to perform the steps of:
6		selecting, based upon the performance of the plurality of communications
7		channels and the at least one specified criterion, a third communications
8		channel from the plurality of communications channels;
9		generating second channel identification data that identifies the third
10		communications channel;
11		providing the second channel identification data over a particular communications
12		channel of the plurality of communications channels to one or more
13		additional participants from the plurality of participants, wherein the
14		particular communications channel is not the third communications
15		channel; and
16		receiving at least a second communication from the one or more additional
17		participants over a fourth communications channel from the plurality of
18		communications channels, wherein the fourth communications channel is
19		determined based on the second channel identification data that identifies
20		the third communications channel.

1	57.	(New) The computer-readable storage medium of Claim 42, wherein the		
2		instructions for providing the channel identification data to the one or more		
3		participants further comprises one or more sequences of instructions which, when		
4	executed by the one or more processors, causes the one or more processors to			
5		perform the steps of:		
6		providing the channel identification data to the one or more participants over a		
7		third communications channel of the plurality of communications		
8		channels, wherein the third communications channel is not the first		
9		communications channel;		
10		determining the performance of the plurality of communications channels used by		
11		the plurality of participants; and		
12		wherein at least the first communication from the one or more participants		
13		includes data that indicates the performance of the third communications		
14		channel.		
1	58.	(New) The computer-readable storage medium of Claim 57, wherein:		
2		the performance of the plurality of communications channels is determined based		
3		on a channel performance testing technique selected from the group		
4		consisting of a received signal strength indicator, a header error check, a		
5		cyclic redundancy check, and forward error correction;		
6		the first communications device is a master participant;		
7		the second communications device is an associate master participant; and		
8		the one or more communications devices are slave participants.		
1	59.	(New) The computer-readable storage medium of Claim 42, wherein the		
2		instructions for selecting the first communications channel from the plurality of		
3		communications channels further comprises one or more sequences of instructions		
4		which, when executed by the one or more processors, causes the one or more		
5		processors to perform the steps of:		

6	classifying one or more communications cl	nannels of the plurality of
7	communications channels based up	on whether the performance of the one
8	or more communications channels	satisfies at least one performance
9	criterion;	
10	selecting the first communications channel	from the one or more communications
11	channels that are classified as satisf	Tying the at least one performance
12	criterion; and	
13	the method further comprises the computer	r-implemented steps of:
14	determining a number of communications	channels of the plurality of
15	communications channels that satis	fy the at least one performance
16	criterion; and	
17	if the number of communications channels	that satisfy the at least one
18	performance criterion is less than a	specified number, reclassifying one or
19	more communications channels of the plurality of communications	
20	channels.	
1	60. (New) The computer-readable storage med	lium of Claim 42, further comprising
2	one or more sequences of instructions which	ch, when executed by the one or more
3	processors, causes the one or more process	ors to perform the steps of:
4	determining the performance of the pluralit	ty of communications channels by
5	performing the computer-implemen	ited steps of:
6	sending a request for performance of	lata to at least one participant from the
7	plurality of participants;	
8	in response to the request, receiving	g performance data from the at least one
9	participant; and	
10	creating and maintaining performan	ace data that indicates the performance
11	of one or more communicate	ions channels of the plurality of
12	communications channels for	or communications with one or more
13	participants from the plurali	ty of participants.

I	61.	(New) The computer-readable storage medium of Claim 42, wherein:
2		the one or more criteria include the failure of the first participant;
3		the first participant is a master participant that performs the steps of selecting,
4		generating, providing, and receiving,
5		the second participant is a slave participant prior to being assigned to perform the
6		one or more functions,
7		the second participant is an associate master participant after being designated to
8		perform the one or more functions if any of the one or more criteria are
9		satisfied, and
10		the one or more participants include one or more slave participants.
1	62.	(New) The computer-readable storage medium of Claim 42, wherein:
2		the one or more participants includes the second participant; and
3		the second participant is designated by at least one other participant that is
4		selected from the group comprising (a) the first participant, (b) the first
5		participant and at least one other participant from the plurality of
6		participants, and (c) one or more participants from the plurality of
7		participants but not including the first participant.
1	63.	(New) The computer-readable storage medium of Claim 41, wherein the
2		frequency hopping protocol is selected from the group consisting of (a) a
3		frequency hopping protocol defined by Institute of Electrical and Electronics
4		Engineers 802.15.1 Wireless Personal Area Network Standard, and (b) a
5		frequency hopping protocol that conforms to a Bluetooth communications
6		standard for transmissions over a 2.4 GHz band.
1	64.	(New) The computer-readable storage medium of Claim 43, further comprising
2		one or more sequences of instructions which, when executed by the one or more
3		processors, causes the one or more processors to perform the steps of:
4		in response to any of the one or more handoff criteria being satisfied, assigning
5		the one or more functions to the fourth participant:

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- wherein the one or more participants includes the fourth participant; and
  wherein the first participant is the same participant as the third participant.
- 1 65. (New) The computer-readable storage medium of Claim 43, wherein the step of
  2 designating the fourth participant is performed prior to a condition of the third
  3 participant that prevents the third participant from performing the one or more
  4 functions.
- 1 66. (New) The computer-readable storage medium of Claim 43, wherein the step of designating the fourth participant is performed prior to a failure of the third participant.